

Attorney's Docket No. 3477-116



PATENT

#9  
Amend B  
J. Byrce  
4/25/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Pugh et al.

Group Art Unit: 3738

Appl. No.: 09/029,872

Examiner: P. Prebilic

Filed: June 29, 1998

For: ARTIFICIAL STABILIZED COMPOSITION OF  
CALCIUM PHOSPHATE PHASE PARTICULARLY  
ADAPTED FOR SUPPORTING BONE CELL ACTIVITY

April 11, 2000

Assistant Commissioner for Patents  
Washington, DC 20231

RECEIVED  
APR 20 2000  
TECHNOLOGY CENTER 3700

AMENDMENT

Sir:

In response to the Office Action mailed November 8, 1999, please amend the above-referenced application as follows:

In the Specification:

**N.E.** Please insert the attached "Abstract" after page 39.

In the Claims:

503  
93  
B1  
10. (Amended) [A composition as claimed in claim 1 or claim 9, wherein said silicon entities are] A bioactive artificial sintered composition for providing a morphology capable of consistently supporting bone cell activity thereon, said composition comprising stabilized calcium phosphate phases developed by the conversion of a hydroxyapatite substance in the presence of tetrapropyl orthosilicate stabilizing entities at sintering temperatures into insolubilized and stabilized tricalcium phosphate.

Sub 4  
B2  
19. (Amended) A process [as claimed in claim 13] for stabilizing an artificial sintered composition of calcium phosphate phases having a morphology suitable for supporting bone cell activity thereon, said process comprising converting a hydroxyapatite substance into primarily